

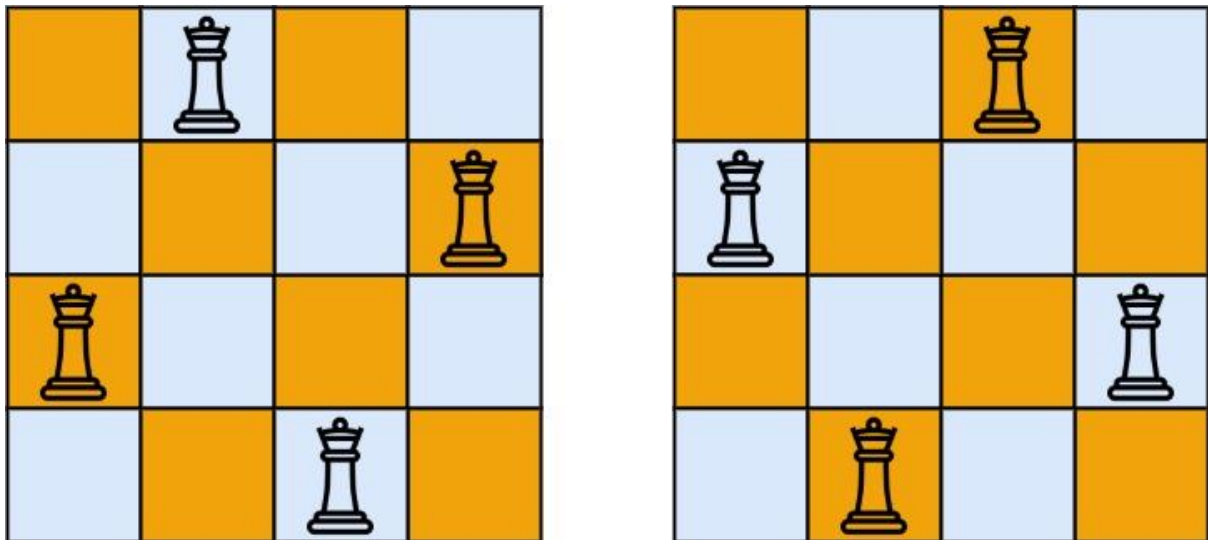
## N-Queens [\(View\)](#)

The **n-queens** puzzle is the problem of placing  $n$  queens on an  $n \times n$  chessboard such that no two queens attack each other.

Given an integer  $n$ , return *all distinct solutions to the n-queens puzzle*. You may return the answer in **any order**.

Each solution contains a distinct board configuration of the n-queens' placement, where 'Q' and '.' both indicate a queen and an empty space, respectively.

### Example 1:



Input:  $n = 4$

Output: `[[".Q..", "...Q", "Q...", "..Q."], ["..Q.", "Q...", "...Q", ".Q.."]]`

Explanation: There exist two distinct solutions to the 4-queens puzzle as shown above

### Example 2:

Input:  $n = 1$

Output: `[["Q"]]`

### Constraints:

- $1 \leq n \leq 9$